## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 25 August 2005 (25.08.2005)

**PCT** 

# (10) International Publication Number WO 2005/077216 A1

(51) International Patent Classification<sup>7</sup>: 7/10, 17/08, 17/14

A43B 7/08,

(21) International Application Number:

PCT/IT2005/000083

(22) International Filing Date: 17 February 2005 (17.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

MI2004A000276 18 February 2004 (18.02.2004) IT MI2004A001134 4 June 2004 (04.06.2004) IT MI2004A002541

29 December 2004 (29.12.2004) IT

- (71) Applicant (for all designated States except US): GENERAL BUILDING S.A.S. DI DE GIACOMI GIANCARLO [IT/IT]; Via delle Botteghe-M12, I-20090 Segrate-Milano (IT).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): DE GIACOMI, Giancarlo [IT/IT]; Condominio Botteghe-M12, I-20090 Segrate-Milano (IT).

- (74) Agents: FAGGIONI, Carlo Maria et al.; Fumero Studio Consulenza Brevetti S.n.c., Via S. Agnese 12, I-20123 Milano (IT).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Declaration under Rule 4.17:

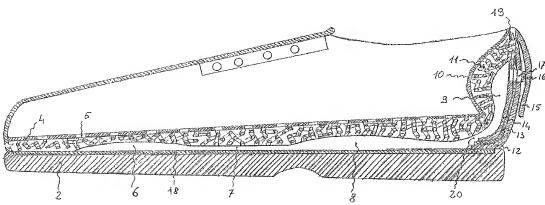
— of inventorship (Rule 4.17(iv)) for US only

### **Published:**

with international search report

[Continued on next page]

### (54) Title: SHOE WITH UPPER AND HEEL DEVELOPED VENTILATION



(57) Abstract: The present invention relates to shoe construction to alleviate perspiration of user's feet and to get a more confortable walking:inner ventilation air is obtained mainly both by using a suitable special shaped inner foamed oversole, with interconnected open chambers, porous cushioned, memory retentent, with one or more hollows 6 and 8 fig. 1, under the footsole, in combination with a rear heel inner protrusion 11 as a pump in addition to air ventilation got by said hollows. Said air is drawn into and expelled from some intakes and outlets fitted in the rear heel portion, that can be partially or totally clogged by some straps 13 fig.5 with buttons 14.To increase ventilation and to get it more homogeneous, in combination with pumping effect of said oversole with hollows, the higher upper portions are provided with some protrusions 5 and 5' fig.3 that surmount lower upper portions, where some holes for air passage are fitted. With suitable sewing lines 7 and 7'fig.3 which connect both upper portions, leaving open some low sides 9 and 9' of said protrusions, as air conduits, a satisfactory waterproofing to the rain is effected.



1 V 710270/2000 O

#### 

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.